CyberPix S-310S manual

1. Get to know your camera

1.1 Features

3.1 Mega pixels resolution sensor
Video clips
Audio record
Web camera
Built-in Microphone Voice recorder
Built-in flash Light
Built-in speaker
TV output with audio
1.5" TFT real color display
Internal 16MB flash memory and SD card support
Driver free for Windows 2000/ME/XP and MAC 9.x and X.x
Macro mode

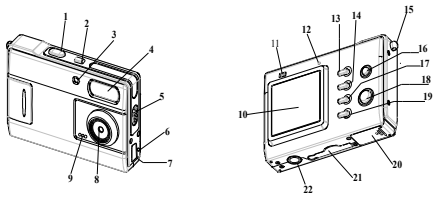
1.2 Specifications

Sensor	3.1 Mega pixel CMOS sensor
Image resolution	5.0 Mega pixels: (2560 x 1920) (Hardware Interpolation)
	3.1 Mega pixels: (2048x1536)
	2.0 Mega pixels: (1600 x 1200)
Lens	F/3.0 f=9.5mm
Focus range	0.5M. ~ Infinity
Macro mode	20CM – 30CM
Digital zoom	4x
Flash strobe	Built-in (Auto/force/off)
LCD display	1.5" real color TFT
White balance	Auto/Sunny/cloudy/Tungsten/Fluorescent
Video mode	18-20fps@QVGA & 8-10fps@VGA
Built-in memory	16MB Flash memory
Picture Capacity in 16M memory (The quantity of pictures varies and depends on the complexity of the scene)	5.0M: (2560 x 1920) -- 16 Pictures
	3.1M: (2048 x 1536) -- 20 Pictures
	2.0M: (1600 x 1200) -- 24 Pictures
External memory card	SD card, supports up to 1G
File format	Picture: JPEG, Video: AVI, Voice: WAV
Self timer	10 /15/20 seconds
PC interface	USB 1.1
TV-out	NTSC/PAL
Power source	2xAAA alkaline batteries

1.3 System requirement

Operating System	Windows 98SE/2000/ME/XP
	Mac 9.x or X.x
CPU	Pentium II or above
RAM	At least 64MB
Interface	USB port
CD	4x speed CD ROM or above

2. Functional parts:



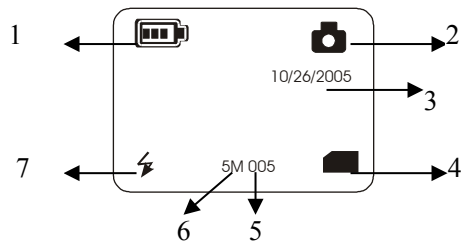
1	Shutter / OK button	Press this button to take photographs or to start/stop recording a short video clip. This button can be also used to confirm changes.
2	Power on/off button	The camera is turned on by pressing it and it and is turned off by pressing it again.
3	Self-timer indicator	Flashes when the self-timer function is used.
4	Flash light	Use the built-in flash to give the subject extra lighting if it is in dark surroundings (the best flash distance is recommended within 4.9 ft.).
5	Macro mode	The macro switch can be used to select macro mode. Set the switch to one of the two positions. **Macro mode:** select this mode to take close-up photographs (distance 20~ 30 CM). **Normal mode:** select this mode to take photographs of the surroundings or people (distance of approximately 0.5M - infinity).
6	AV port	For television connect. (please refer to the NTSC/PAL)
7	USB interface	Connection the camera to the computer. Via this connection, you can save photographs and video clips on a computer or use the camera as a web cam to chat on the Internet.
8	Lens	Records the image to be taken. ***Note:*** *Keep the lens clean. Dirt and fingerprints affect the outcome of the picture.*
9	Speaker	For sound output.
10	LCD screen	On the (TFT) LCD screen, you can do the following: view the image to be photographed (Preview), view photographs and video clips, view camera setting, and use to set the camera menu.
11	Macro LED	When the indicator is lit blue, the camera is Macro mode.
12	MIC	For record voice.
13	UP	UP & Digital zoom in
14	Down	Down & Digital zoom out
15	Strap hook	Hook for attaching the wrist strap to the camera.
16	Menu	For the camera setting.
17	Left/ flash light	For menu left selection and flash light change.
18	Playback/Mode	Press it to playback mode, Press it and hold 2 seconds to different mode selection.
19	Right /display	For menu right selection and LCD display on / off.
20	Battery door	2xAAA alkaline batteries
21	SD card slot	SD card slot for you use the extend memory.
22	Trip bolt	For fixup the camera on horse.

3. See following details to setting your digital camera.

SET	Picture	Resolution	2560 x 1920	5.0M pixel resolution
			2048x1536	3.1M pixel resolution
			1600x1200	2.0M pixel resolution
		Exposure value	-2, -0.5, 0, 0.5, 2	Level of exposure
		White balance	auto (Default)	Automatic light balance
			sunny	Light balance selected for sunny surrounding
			cloudy	Light balance selected for cloudy surrounding
			tungsten	Light balance selected for tungsten lighting
			fluorescent	Light balance selected for fluorescent surrounding
		Continuous shot	Continuous shot	Can continuously shoot up to 3 pictures within 10 seconds.
		Self timer	Self timer	Set the delay time, 10,15,20 seconds or off.
		Date stamp	Enable	Show the date on the pictures taken
			Disable (Default)	Don't show the date on the pictures
	System	Time / Date	DD.MM.YYYY H.M	Year, Month, Day, Time setting
		Language	English (Default)	Camera display menu set in English
			German	Camera display menu set in German
			Spanish	Camera display menu set in Spanish
		Format storage	Format	Confirmation to fully format the memory
		TV- Out	NTSC (Default)	American and Japanese video format
			PAL	European video format.
		USB connection	PC-Camera mode	Actual like a web camera.
			Mass-storage mode	Actual like a hard disk.
		Auto power off	30 sec/1/3 min	Auto power off in 30 seconds / 1min/3min if not operating
		Light-Frequency	50Hz	Main European electricity frequency
			60Hz	Main American electricity frequency
		Default setting	Load	Restore default setting

Note: *The settings will not change when the camera is turned off*

4. Explanation of the status icons on the LCD screen



Item	Function	Description
1	Battery indicator	The batteries are full, it displays icon. The batteries are empty, it displays icon.
2	Recording mode	The camera is set to take a photograph. **= Setting for taking photographs** **= Setting for recording videos**
3	Date stamp	Displays the date year/month/day
4	Memory card indicator	Indicates the SD card is inserted. SD card is locked.
5	Photo/video counter	In Photo mode, it displays the number of photographs which have already been taken. In the Video mode, it displays the time in seconds remaining for recording a video clip. In the Play mode, it displays the number of photographs which have already been taken and the number of video clips which have been recorded.
6	Camera resolution	Displays the horizontal resolution. **5M=2560x1920; 3.1M = 2048x1536;2M= 1600x1200;**
7	Flash indicator	Displays the camera's flash setting. : Force flash. A: **Auto Flash:** the camera determines if the flash must be used or not. : **No Flash:** the flash is turned off. ***Note:*** *The default setting is 'No Flash'.*

5. Using the camera

5.1 Installing the batteries

1. Open the battery door.
2. Insert 2 AAA alkaline batteries into the camera according to the correct polarity marked in the battery compartment.
3. Turn on the camera.

Press the power button to activate your Digital Camera. Press it again to turn this Digital Camera off.

5.2 Inserting a memory card (not included)

This camera has built-in internal memory. This memory can be extended with a SD memory card (not included).
Follow the instructions given below to insert the optional SD memory card into the camera.

1. Open the camera's battery door by sliding it downwards.
2. Insert the SD card into the slot.
3. Press the SD card completely into the camera and then close the door. Open the door and press on the memory card if you wish to remove it.

Note: *There is only one way to insert the SD memory card into the slot. Do not force the card into the slot. This may damage both the camera and the SD memory card.*

Note: *The SD memory card must be formatted before taking photographs. See the following sections for more information.*

5.3 Formatting the memory

If you use a SD card, it must first be formatted before you can take photographs. Follow the instructions given below to do this.

1. Press MODE button to setup mode.
2. Select format storage, press shutter to confirm.
3. Press shutter to format the card.

5.4 Setting the resolution

The camera can be set to three different resolutions.

1. Press MENU to set proper resolution. The LCD will display your current picture's resolution.
   Resolution: 2M (1600 x 1200)、3.1M(2048X1536) 、5M (2560 x 1920)
2. Three different resolutions will be displayed. Select the desired resolution by using the LEFT and RIGHT buttons and then press the MENU button to confirm the selection.

5.5 Taking photographs

1. Turn the camera on by pressing the ON/OFF button.
2. Set the camera to photo mode ( ).
3. Depending on the distance to the object being photographed, use Macro switch to adjust the distance. Select the flower symbol ( ) if you wish to take a close-up photograph (0.7 - 1ft.).
   If you wish to take photographs of surroundings or people (2.0 ft - infinity), set the macro switch to Normal mode ( ).
4. If you are not sure if there is enough lighting, turn the automatic flash ( ) on by pressing the flash button. (If the battery power is low, the flash won't be activated).
5. Use the LCD screen to see the object you wish to photograph.
6. Press the shutter button to take a photograph. The LCD will be turn off. Hold the camera as still as possible while the LCD will be turn on.
7. The LCD screen will then return to the normal display. You can now direct the camera at the next subject and take more photographs.

Note: *If you take photographs with the default camera settings, it is possible that the quality of the photographs will not always be optimal. Different surroundings produce different results. Adjust the camera settings as required.*

5.6 Zoom in and out

5.6.1 The camera can zoom in on the object to be photographed up to 4 times the size in preview mode.

1. Zoom in by pressing the up arrow button. A bar will appear on the right -hand side of the display. 4.0 is maximum zoom. 1.0 is normal view.
2. You can zoom out by pressing the down arrow button.
3. Press the shutter button once you have found the desired setting.

5.6.2 The picture can zoom in and move in playback mode

1. Zoom in by pressing the up arrow button. A position window will appear on the top-left corner of the display.
2. Press shutter button into moving mode, the picture can be moved 4 ways by pressing the way menu buttons.
3. Press the shutter button to return to zoom in mode.

5.7 Taking photographs using self-timer function

You can use the self-timer function when you wish to take a photograph of yourself or when you wish to photograph an object where the camera must be as still as possible, for example on the stand.

1. Set the camera to photo mode( ) .
2. Press the MENU button. The quick menu will appear.
3. Press DOWN to self-timer mode, press LEFT or RIGHT to set the delay time, including 10/15/20 seconds or off.
4. Press the MENU button to confirm. The self-timer function is now ready for use.
5. Use the LCD screen to direct the camera at the object you wish to photograph.
6. Press the shutter button to take a photograph.
7. The self-timer indicator in the front LED will blink.
8. The photograph will be taken after 10 seconds and the camera will beep once.

5.8 Recording video clips

1. Press the MODE button and hold 2 seconds. Set the camera to video mode( )
2. Press the shutter button to start recording a video clip. The video images that are being recorded will be displayed on the LCD screen. The number of seconds recorded will appear on the down of the LCD screen. Press the shutter button again to stop recording the video clip. The video clip will now be saved as an AVI file in the camera memory
3. Press MENU to set proper resolution. The LCD will display your current video's resolution, EV and WB.

5.9 Viewing photographs and video clips

Once you have taken some photographs or recorded video clips, you can view them on the LCD screen. Follow the instructions given below to do this.

1. Press MODE button to playback mode, press LEFT or RIGHT to select the Playback Movies & Pictures.
2. Press SHUTTER, it will show movie & picture thumbnails on the LCD. Press ▲, ▼ , ◄or ► to navigate.
3. After you select one picture, press MENU to SLIDE SHOW, then press SHUTTER to confirm. The pictures saved in your camera or your SD card will show as shrinking automatically.
4. Press SHUTTER, it will show the selected picture on the LCD, press UP or DOWN to Zoom in / Zoom out the picture, you can preview the each part of picture that you want by UP / DOWN / LEFT / RIGHT when you press SHUTTER under current situation, press SHUTTER again to return.
5. Press UP to play a movie.
6. When playback movie files, press ▼ to rewind the file and ▲ to fast-forward the file.
7. Press ◄ or ► to adjust the volume
8. Select icon ❚❚ to pause the playback
9. Press MODE to exit.

Caution: If the AVI file cannot be played smoothly, you may need to upgrade your Windows Media Player.

5.10 Playback voice files

Press MODE to mode option, press LEFT or RIGHT to select the Playback Voice Files,
1. Press SHUTTER to confirm.
2. Press SHUTTER to playback the selected voice file.
3. Press ◄ or ► to adjust the volume.

5.10.1 Deleting photographs and video clips

You can choose to delete a single photograph, video clip or delete all the Photographs and video clips from the memory.

5.10.2 Deleting one photograph

Follow the instructions given below to delete one photograph.

1. Press MODE button to mode option, press LEFT or RIGHT to select the Playback Movies & Pictures.
2. When you have found the photograph you wish to delete, press the MENU button.
3. Select delete one/Delete all, press SHUTTER to confirm.
4. If you select Protect picture, your current file or images can not be deleted.
5. Press MODE to exit.

NOTE: Select 'Deleting All' Press OK to confirm all the files will be deleted.

6. Installing the camera driver

The camera driver is used for Windows 98SE, Windows ME, Windows 2000 and Windows XP. The camera works without the driver on an Apple Macintosh OS 9.x or X.x. It shows up as 'Mass Storage Device'

6.1 Uninstalling old drivers and devices

The most common problem occurring during installation is the presence of a driver for a similar, old device. The best solution is to first remove all the drivers related to the old devices before installing the new driver. Make sure you only delete programs for old, unused (similar) devices.

1. Enter Windows 'Safe Mode' (press F8 when starting Windows and then select 'Safe Mode' from the menu which will be displayed).
2. Click on 'Start – Settings – Control Panel' and double-click on 'Add/Remove Programs' icon.
3. Find all the programs for similar, old devices and remove these by clicking on the 'Add/Remove' button. When in 'Safe Mode', it is possible for some programs to appear twice. In that case, remove all the programs which appear twice.
4. Restart the computer.

6.2 Installing the driver for Windows 98 / Windows ME / Windows 2000 / Windows XP

Note: *Make sure all other programs are closed during the installation process.*

Note: *During installation for Windows XP, you may receive a message saying that the driver has not been signed. This does not cause a problem for the functionality of the program. Please click "Yes" to continue.*

Note: *For example, 'D:\' is used to indicate the CD-ROM drive. This may be different for your computer.*

1. Insert the CD-ROM into your computer's CD-ROM drive. The installation program will start automatically. If it does not start automatically, please do the following:
   a) Select 'Run' from Windows Start menu.
   b) Type [D:\SETUP.EXE] and click on 'OK' to start the Software Installer.
2. The Software Installer will appear.
3. Select the language you wish to use for the installation.
4. Click on 'Install driver' to start the installation of the camera driver.
5. Follow the on-screen instructions.

6.3 Connecting the camera

The camera can be connected to the computer in two different modes: mass storage device and as a PC camera for video conferencing on the Internet.

6.3.1 Connecting as a mass storage device

This option makes it possible to download photographs and video clips onto your computer.

1. Turn the camera on by pressing the ON/OFF button.
2. Press MODE button to the USB setting.
3. Press LEFT button choose the mass storage mode.
4. Connect the camera to the computer.
5. Windows will automatically detect the camera. You can use this camera as a removable disk.

6.3.2 Connecting as a PC camera

When you connect the camera as a PC camera, you can use the camera as a web cam for video conferencing on the Internet by using Windows NetMeeting or Windows Messenger. (You must install the driver before connecting the Digital Camera to your computer.)

1. Turn on the camera by pressing ON/OFF button.
2. Press MODE button to the USB setting.
3. Press LEFT button choose the PC camera mode.
4. Connect the camera to the computer.
5. Windows will automatically detect the camera. You can use this camera as a web camera.

7. Trouble shooting

Problem	Cause	Solution
Cannot turn on the camera by pressing the "power" button	Low battery power, battery is missing or incorrectly inserted the battery.	Install or replace the battery correctly.

Photos are not saved or are missing when taking pictures	The memory card or built-in memory hasn't been formatted properly in the camera.	Format the memory in SET mode of the camera. Please refer to 6.2
Cannot find removable disk after connecting the camera to the computer via USB	1. Connection failure. 2. The multi-select button is set to the wrong position	Make sure all cable connections are secured and restart the computer. Set the multi-select button to right position, refer to 7.3.1
Get a warning message: "Capture device was not detected" when trying to open PC cam.	1. Conflict with another camera or capture device.	1. Remove any other camera driver completely from your system. Sometimes you have to re-install your system. 2. Set the multi-select button to the right position. refer to 7.3.2
Cannot preview image in PC Camera mode.	"Preview" is not selected in option Menu.	Click "preview" in the "option" menu to select it.
Flash does not work.	Battery Power is very low.	Replace with new batteries

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